

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Following is a complete set of claims as amended with this Response. Claims 1-38 have been cancelled without prejudice. New claims 39-59 have been added.

1-38. (Cancelled.)

39. (New) A system comprising:
a vending machine including (i) a plurality of coils onto which items are attached and (ii) a plurality of motors to control rotation of the plurality of coils for dispensing the items;
a controller to generate control signals including user interface control signals;
a display responsive to the user interface control signals to interactively prompt a user to provide user inputs to the controller, the user inputs including a selection of an item to be dispensed; and
switching control circuitry connected to each of the plurality of motors of the vending machine, the switching control circuitry, responsive to the control signals, to provide power to at least one of the plurality of motors to dispense the selected item, wherein
the controller to monitor and analyze power profiles of each of the plurality of motors to determine a condition experienced by the vending machine that requires human intervention.

40. (New) The system of claim 39, wherein the controller executes a software module that causes the controller to record the power profiles and to compare the power profiles with power profiles pre-stored in a database.

41. (New) The system of claim 39, wherein the condition is a failure to dispense the selected item.

42. (New) The system of claim 39, wherein the power profiles are a function of amperage and time.

43. (New) The system of claim 42, wherein each power profile can be mapped to one of a plurality of operations by the vending machine.

44. (New) The system of claim 39, wherein the condition is experienced by one of the plurality of motors.

45. (New) The system of claim 44, wherein during the condition, a lesser amount of power is drawn by the motor.

46. (New) The system of claim 41, wherein the selected item is an office supply.

47. (New) A system for controlling dispensation of an item from an apparatus, comprising:

a display responsive to user interface control signals to interactively prompt a user to provide user inputs to the controller, the user inputs include selecting activation of power supplied to a motor associated with the apparatus;

a controller to generate control signals including the user interface control signals, the controller executing software adapted for monitoring and analyzing power profiles of the motor to determine a condition experienced by the apparatus that requires human intervention; and

a switching control circuitry communicatively coupled to the controller, the switching control circuitry to supply the power to the motor in response to the control signals in order to cause rotation of a coil to dispense the item.

48. (New) The system of claim 47, wherein the controller executes a software module that causes recordation of the power profiles and comparison of the power profiles with power profiles pre-stored in a database.

49. (New) The system of claim 47, wherein the apparatus is a vending machine and the condition is a failure to dispense the item.

50. (New) The system of claim 47, wherein the power profiles are a function of amperage and time.

51. (New) The system of claim 47, wherein the condition is experienced by the motor.

52. (New) The system of claim 47, wherein during the condition, a lesser amount of power is drawn by the motor.

53. (New) The system of claim 47, wherein the condition is a vending operation experienced by the vending machine.

54. (New) The system of claim 46, wherein the switching control circuitry includes a switch box that supports communications with at least the controller.

55. (New) A system comprising:
a vending machine including a plurality of electrically powered devices;
means for receiving inputs from a user and transferring signals based on the user inputs;
means for generating control signals including user interface control signals;
means for providing power to a selected electrically powered device of the plurality of electrically powered devices of the vending machine to dispense an item in response to the control signals, the selected electrically powered device being a motor to control a corresponding dispensing mechanism upon which the item is initially attached before being dispensed; and
means for monitoring and analyzing power profiles of the motor to determine a condition experienced by the motor of the vending machine that requires human intervention.

56. (New) The system of claim 55, wherein the means for monitoring and analyzing being a software module that, when executed, causes the means for generating to record the power profiles and to compare the power profiles with power profiles pre-stored in a database.

57. (New) The system of claim 55, wherein the condition is a failure to dispense the item.

58. (New) The system of claim 55, wherein each of the power profiles is a function of amperage and time.

59. (New) The system of claim 55, wherein during the condition, a lesser amount of power is drawn by the motor.
